

"ABSTRACT

The invention concerns the sharing and the controlling of access to at least one peripheral for a computer system which includes a central processing unit and at the least one peripheral which has a physical interface to the central processing unit. Specifically, a request for access is received at an address of a virtual interface, where the address of the virtual interface corresponds to the physical interface, and data is exchanged between the central processing unit and the at least one peripheral is received. The received data is modified according to at least one predetermined criterion corresponding to the address of the virtual interface.

TITLE of the INVENTION

"Device and method for controlling access to computer peripherals"

TEXT of the ABSTRACT

The invention concerns a device for sharing and controlling access to peripherals for a computer system comprising a central processor (3) and at least one input/output peripheral (6, 9, 10) having a physical control interface (6A, 9A, 10A) accessible to the central processor (3),

characterised in that said device has:

means for the faithful reproduction, in the form of a virtual interface, of the physical interface of at least one peripheral,

means of interception, by said virtual interface, of all the requests and data exchanged between the central processing unit (3) and the peripheral, controlled by a pre-determined application executed in the computer system,

means of possible modification of said requests and data intercepted according to at least one pre-determined criterion.

(Figure 1)

09882301-061801
F08T90-T0E28860